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01/13/2005

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

**Audra Wooten**

(Depositor's name)

*Audra Wooten*

(Signature)

**March 15, 2005**

(Date)

03/18/2005 RMEBRAH1 00000005 10676232

01 FC:1501 1400.00 OP

02 FC:1504 300.00 OP

03 FC:8001 300.00 OP

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/676,232      | 10/01/2003  | Dong-yang Lee        | 5649-1146           | 6395             |

TITLE OF INVENTION: DYNAMIC RANDOM ACCESS MEMORY DEVICES AND METHOD OF CONTROLLING REFRESH OPERATION THEREOF

| APPLN. TYPE    | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE   |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | NO           | \$1400    | \$300           | \$1700           | 04/13/2005 |

| EXAMINER   | ART UNIT | CLASS-SUBCLASS |
|------------|----------|----------------|
| LAM, DAVID | 2818     | 365-222000     |

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 **Myers Bigel Sibley**  
 & Sajovec, PA

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

**Samsung Electronics Co., Ltd.****Republic of Korea**Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee - **\$1400**
- ☒ Publication Fee (No small entity discount permitted) **\$300**
- ☒ Advance Order - # of Copies **10** - **\$30**

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- ☒ A check in the amount of the fee(s) is enclosed. - **\$1730**
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- ☐ The Director is hereby authorized to charge the required fee(s), or credit any overpayment Deposit Account Number **50-0220** (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

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Authorized Signature

Date

Typed or printed name

**Robert N. Crouse**

Registration No.

**44,635**

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